

Water-Data Report NV-2005

393823119424505 Local number 085 N21 E20 35CBAC7 LYSIMETER 3 DEEP

Basin and Range basin-fill aquifers Undefined Aquifer

Washoe County, NV

LOCATION.--Lat 39°38'29.4", long 119°42'45.3" referenced to North American Datum of 1983, in NE ¼ NW ¼ SW ¼ sec.35, T.21 N., R.20 E., Washoe County, Hydrologic Unit 16050201.

WATER-QUALITY RECORDS

COOPERATION.--Washoe County Department of Water Resources

REMARKS.--Depth of lysimeter is 14 ft below land surface datum. Ground water quality data in this table were collected determine an estimate of the amount of nitrogen entering the ground water from septic tank systems in the valley by collection of water quality data from lysimeters and ground water wells near septic systems.

WATER-QUALITY DATA WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Part 1 of 2 [Remark codes: <, less than.]

Oct O5 1320 Interstitial water 556 47.8 .26 43.4 .062 42.9 Nov O2 1342 Interstitial water 530 44.4 2.54 17.2 .121 21.6 Dec O8 1202 Interstitial water 507 28.0 1.21 35.3 .080 39.3 Mar O1 1402 Interstitial water 598 33.3 14.5 1.51 .208 18.0 Apr O5 1402 Interstitial water 746 48.8 18.2 .24 .038 21.6 May O4 1014 Interstitial water 581 32.3 19.6 2.00 .385 24.1 Jun O1 1035 Interstitial water 785 39.7 23.1 .22 .059 27.0 Jul O6 .0956 Interstitial water 826 38.6 23.7 3.24 .522 30.0 Aug	Date	Time	Sample type	Specif. conduc- tance, wat unf lab, uS/cm 25 degC (90095)	Chlor- ide, water, fltrd, mg/L (00940)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Total nitro- gen, wat flt by anal ysis, mg/L (62854)
Nov 02 1342 Interstitial water 530 44.4 2.54 17.2 .121 21.6 Dec 08 1202 Interstitial water 507 28.0 1.21 35.3 .080 39.3 Mar 01 1402 Interstitial water 598 33.3 14.5 1.51 .208 18.0 Apr 05 1402 Interstitial water 746 48.8 18.2 .24 .038 21.6 May 04 1014 Interstitial water 581 32.3 19.6 2.00 .385 24.1 Jul 01 1035 Interstitial water 785 39.7 23.1 .22 .059 27.0 Jul 06 0956 Interstitial water 826 38.6 23.7 3.24 .522 30.0 Aug 03 0910 Interstitial water 756 39.7 25.5 .41 .090 29.7 Sep	Oct								
02 1342 Interstitial water 530 44.4 2.54 17.2 .121 21.6 Dec 08 1202 Interstitial water 507 28.0 1.21 35.3 .080 39.3 Mar 01 1402 Interstitial water 598 33.3 14.5 1.51 .208 18.0 Apr 05 1402 Interstitial water 746 48.8 18.2 .24 .038 21.6 May 04 1014 Interstitial water 581 32.3 19.6 2.00 .385 24.1 Jul 01 1035 Interstitial water 785 39.7 23.1 .22 .059 27.0 Jul 06 0956 Interstitial water 826 38.6 23.7 3.24 .522 30.0 Aug 03 0910 Interstitial water 756 39.7 25.5 .41 .090 29.7 Sep	05	1320	Interstitial water	556	47.8	.26	43.4	.062	42.9
Dec 08 1202 Interstitial water 507 28.0 1.21 35.3 .080 39.3 Mar 01 1402 Interstitial water 598 33.3 14.5 1.51 .208 18.0 Apr 05 1402 Interstitial water 746 48.8 18.2 .24 .038 21.6 May 04 1014 Interstitial water 581 32.3 19.6 2.00 .385 24.1 Jun 01 1035 Interstitial water 785 39.7 23.1 .22 .059 27.0 Jul 06 0956 Interstitial water 826 38.6 23.7 3.24 .522 30.0 Aug 03 0910 Interstitial water 756 39.7 25.5 .41 .090 29.7 Sep	Nov								
08 1202 Interstitial water 507 28.0 1.21 35.3 .080 39.3 Mar 01 1402 Interstitial water 598 33.3 14.5 1.51 .208 18.0 Apr 05 1402 Interstitial water 746 48.8 18.2 .24 .038 21.6 May 04 1014 Interstitial water 581 32.3 19.6 2.00 .385 24.1 Jun 01 1035 Interstitial water 785 39.7 23.1 .22 .059 27.0 Jul 06 0956 Interstitial water 826 38.6 23.7 3.24 .522 30.0 Aug 03 0910 Interstitial water 756 39.7 25.5 .41 .090 29.7 Sep	02	1342	Interstitial water	530	44.4	2.54	17.2	.121	21.6
Mar 01 1402 Interstitial water 598 33.3 14.5 1.51 .208 18.0 Apr 05 1402 Interstitial water 746 48.8 18.2 .24 .038 21.6 May 04 1014 Interstitial water 581 32.3 19.6 2.00 .385 24.1 Jun 01 1035 Interstitial water 785 39.7 23.1 .22 .059 27.0 Jul 06 0956 Interstitial water 826 38.6 23.7 3.24 .522 30.0 Aug 03 0910 Interstitial water 756 39.7 25.5 .41 .090 29.7 Sep	Dec								
01 1402 Interstitial water 598 33.3 14.5 1.51 .208 18.0 Apr 05 1402 Interstitial water 746 48.8 18.2 .24 .038 21.6 May 04 1014 Interstitial water 581 32.3 19.6 2.00 .385 24.1 Jun 01 1035 Interstitial water 785 39.7 23.1 .22 .059 27.0 Jul 06 0956 Interstitial water 826 38.6 23.7 3.24 .522 30.0 Aug 03 0910 Interstitial water 756 39.7 25.5 .41 .090 29.7 Sep	08	1202	Interstitial water	507	28.0	1.21	35.3	.080	39.3
Apr 05 1402 Interstitial water 746 48.8 18.2 .24 .038 21.6 May 04 1014 Interstitial water 581 32.3 19.6 2.00 .385 24.1 Jun 01 1035 Interstitial water 785 39.7 23.1 .22 .059 27.0 Jul 06 0956 Interstitial water 826 38.6 23.7 3.24 .522 30.0 Aug 03 0910 Interstitial water 756 39.7 25.5 .41 .090 29.7 Sep	Mar								
05 1402 Interstitial water 746 48.8 18.2 .24 .038 21.6 May 04 1014 Interstitial water 581 32.3 19.6 2.00 .385 24.1 Jun 01 1035 Interstitial water 785 39.7 23.1 .22 .059 27.0 Jul 06 0956 Interstitial water 826 38.6 23.7 3.24 .522 30.0 Aug 03 0910 Interstitial water 756 39.7 25.5 .41 .090 29.7 Sep	01	1402	Interstitial water	598	33.3	14.5	1.51	.208	18.0
May O4 1014 Interstitial water 581 32.3 19.6 2.00 .385 24.1 Jun O1 1035 Interstitial water 785 39.7 23.1 .22 .059 27.0 Jul O6 0956 Interstitial water 826 38.6 23.7 3.24 .522 30.0 Aug O3 0910 Interstitial water 756 39.7 25.5 .41 .090 29.7 Sep	•								
04 1014 Interstitial water 581 32.3 19.6 2.00 .385 24.1 Jun 01 1035 Interstitial water 785 39.7 23.1 .22 .059 27.0 Jul 06 0956 Interstitial water 826 38.6 23.7 3.24 .522 30.0 Aug 03 0910 Interstitial water 756 39.7 25.5 .41 .090 29.7 Sep		1402	Interstitial water	746	48.8	18.2	.24	.038	21.6
Jun 01 1035 Interstitial water 785 39.7 23.1 .22 .059 27.0 Jul 06 0956 Interstitial water 826 38.6 23.7 3.24 .522 30.0 Aug 03 0910 Interstitial water 756 39.7 25.5 .41 .090 29.7 Sep	-								
01 1035 Interstitial water 785 39.7 23.1 .22 .059 27.0 Jul 06 0956 Interstitial water 826 38.6 23.7 3.24 .522 30.0 Aug 03 0910 Interstitial water 756 39.7 25.5 .41 .090 29.7 Sep		1014	Interstitial water	581	32.3	19.6	2.00	.385	24.1
Jul 06 0956 Interstitial water 826 38.6 23.7 3.24 .522 30.0 Aug 03 0910 Interstitial water 756 39.7 25.5 .41 .090 29.7 Sep		1025	e i i i i i i i i i i i i i i i i i i i	505	20.7	22.1	22	0.50	25.0
06 0956 Interstitial water 826 38.6 23.7 3.24 .522 30.0 Aug 03 0910 Interstitial water 756 39.7 25.5 .41 .090 29.7 Sep		1035	Interstitial water	/85	39.7	23.1	.22	.059	27.0
Aug 03 0910 Interstitial water 756 39.7 25.5 .41 .090 29.7 Sep		0056	T44:4:-14	926	20.6	22.7	2.24	500	20.0
03 0910 Interstitial water 756 39.7 25.5 .41 .090 29.7 Sep		0936	interstitial water	826	38.0	23.1	3.24	.322	30.0
Sep	•	0010	Interctitial water	756	30.7	25.5	41	000	20.7
<u>-</u>		0510	micisuuai watei	750	37.1	43.3	.+1	.050	47.1
UK 0855 Interstitial water 871 40.9 24.7 47.1 253 72.3	08	0855	Interstitial water	871	40.9	24.7	47.1	.253	72.3

Water-Data Report NV-2005

393823119424505 Local number 085 N21 E20 35CBAC7 LYSIMETER 3 DEEP—Continued

WATER-QUALITY DATA WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 2 of 2 [Remark codes: <, less than.]

Date	Time	Sample type	Specif. conduc- tance, wat unf lab, uS/cm 25 degC (90095)	Chlor- ide, water, fltrd, mg/L (00940)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Total nitro- gen, wat flt by anal ysis, mg/L (62854)
Oct								
05	0852	Interstitial water	877	44.5	19.3	29.0	.068	49.5
Nov								
02	0905	Interstitial water	597	34.9	20.5	.46	.034	22.1
02	0906	Replicate	605	34.9	19.7	.45	.023	22.0
30	0934	Interstitial water	824	38.7	18.2	34.1	.338	52.8
Dec								
22	1304	Interstitial water	610	34.0	17.1	1.04	<.008	19.7